

ABSTRACT OF THE DISCLOSURE

A method and apparatus for encoding/decoding information using low density parity check (LDPC) codewords of varying lengths. In one implementation, an encoder/decoder uses a parity check matrix having a size that corresponds to a length of information for each codeword. In one example, the size of the parity check matrix may be retrieved from multiple stored matrices having different sizes. In other examples, a mother code matrix may be dynamically adjusted by puncturing parity bits and/or deleting information bits. Other inventive embodiments and adaptations are also disclosed.